SYLLABUS

Basic information of the course	
University:	**University "Ukshin Hoti" - Prizren**
Academic unit:	**Faculty of Computer Science**
Study program:	**Information and Telecommunication Technologies**
Course:	**Research Methods**
Study level:	**Bachelor**
Course status:	**Mandatory**
Study year:	**2**
Number of hours per week:	**2+2**
Credit value - ECTS:	**6**
Time / location:	**It will be published in the university web site!**
Lecturers:	**Assoc. Prof. Dr. Malush Mjaku** **Ass. Betim Maloku, Ph. D. c.**
Contact details:	**malush.mjaku@uni-prizren.com** **betim.maloku@uni-prizren.com**
Course description:	The course provides basic concepts about methods for scientific research. In particular, the course aims to prepare students regarding the application of quantitative methods and qualitative research, as well as provide knowledge on academic writing, issues related to plagiarism, then knowledge and examples regarding standards and structure of the scientific paper etc.
Course objectives:	The purpose of this course is to provide students with knowledge and skills for scientific research. In particular, the course aims to prepare students regarding the application of quantitative methods and qualitative research, as well as provide knowledge on academic writing, issues related to plagiarism, then knowledge and examples regarding standards and structure of the scientific paper etc.
Learning outcomes:	After completion of course, the student will be able to: - Apply quantitative and qualitative methods in scientific work.

	- Compile questionnaires to research, develop and apply the techniques of sample surveys. - Analyzed the data using statistical indicators. - Conceive, organize and develop a scientific paper by applying the principles and rules of academic writing.

Contribution on student load (must correspond with learning outcomes)			
Activity	**Hours**	**Days/week**	**Total/hours**
Lectures	2	15	30
Exercise theoretical/laboratory	2	15	30
Practice work	1	2	2
Contact with lecturer/consultations	1	5	5
Field exercises	1	1	1
Midterms	2	2	4
Laboratory exercises	2	2	4
Individual time spent studying (at the library or home)	3	10	30
Final preparation for the exam	5	6	30
Time spent in evaluation (tests, quiz, final exam)	2	3	6
Projects, presentations, etc.	4	2	8
Total			**150**
Notice: 1 ECTS credits = 25 hours commitment, e.g. if the course has 6 ECTS credits student must have 150 hours during the semester.			

Teaching methods:	The course is a combination of lectures, discussions, numerical and laboratory exercises, while the assignments are presented by the laboratory course lecturers!
Assessment methods:	- Attendance in lectures and exercises: 5% + 5%. - Seminar Paper: 30%. - Midterm 1: 30%. - Midterm 2: 30%. - Or final exam: 100%.

Assessment and grading:	**Vlerësimi në %**	**Nota përfundimtare**
	91% - 100%	10
	81% - 90%	9
	71% - 80%	8
	61% - 70%	7
	51% - 60%	6

	0% - 50%	5
Literature		
Basic literature:	1. Cornford, T. & Smithson, S. (2005), Project Research in Information Systems: A Student's Guide. 2. Macmillan Core Text: Sharp, J.A., Peters J and Howard, K. (2002), The Management of a Student Research Project, Third Edition (Gower).	
Additional literature:	1. Statistics for Business and Economics, Kohler, H., Thomson Learning, 2002. 2. Essentials of Research Design and Methodology, Marczyk, G., DeMatteo, D. and Festinger, D. 3. John Wiley & Sons, Inc., 2002. Quantitative Methods for Business, Management and Finance, Swift, L. and Piff, S., Palgrave Macmillan, New York, 2005How to Write Great Essays, Tarkey, L., Learning Express, LLC, New York, 2004. 4. Creswell, J. W. (2002), Research Design: Qualitative, Quantitative, and Mixed Methods Approaches, Sage.	

Study plan	
Week	**Lectures**
First week:	• Introduction to research methodology • Concepts, definitions, theories and models.
Second week:	• Define and test research hypotheses.
Third week:	• Security and data collection, determination of sample size, sample selection, questionnaire design.
Fourth week:	• Survey: methodology, databases and inspection data, errors in data collection.
Fifth week:	• Data analysis: average, medial, fashion, extreme values (outliers), non-answering in question, the coefficient of correlation
Sixth week:	• Preparation of reports with statistical data.
Seventh week:	• Qualitative methods: determination of cases for research, preparation of questionnaires, focus group discussions, case studies, reporting of data from qualitative analysis.
Eighth week:	• Some Quantitative Methods: OLS, Probit/Logit, Ordered Probit, Interval Regression.

Ninth week:	• Academic writing: structure, organization of the paper, paragraphs, verses, critical review, completion, plagiarism in scientific papers.
Tenth week:	• Preparation of scientific paper and bachelor thesis.
Eleventh week:	• Discussions/seminars
Twelfth week:	• Discussions/seminars
Thirteenth week:	• Discussions/seminars
Fourteenth week:	• Discussions/seminars
Fifteenth week:	• Discussions/seminars

Exercises

Study plan	
Java	**Exercises**
First week:	• Introduction to course organization – syllabus (about exercises). • Questions for discussion • Study cases
Second week:	• Questions for discussion • Study cases
Third week:	• Questions for discussion • Study cases
Fourth week:	• Questions for discussion • Study cases
Fifth week:	• Questions for discussion • Study cases
Sixth week:	• Questions for discussion • Study cases
Seventh week:	• Questions for discussion • Study cases
Eighth week:	• Questions for discussion • Study cases
Ninth week:	• Questions for discussion • Study cases
Tenth week:	• Questions for discussion • Study cases
Eleventh week:	• Questions for discussion • Study cases
Twelfth week:	• Questions for discussion • Study cases
Thirteenth week:	• Questions for discussion • Study cases
Fourteenth week:	• Questions for discussion

	• Study cases
Fifteenth week:	• Questions for discussion • Study cases

Academic policies and rules of conduct
• Generally lecture presentations will be made through MS PowerPoint, tables, material usage, computer programs and numeric exercises. • Additional resources (scientific papers, publications, national bulletins, as well as recent discoveries and research) will be provided by professors. • In the absence of the opportunity for practical work to be organized weekly, in cooperation with the management of the university, this activity will be organized on certain days in: organizations, companies, etc. • During each session will be organized the conversation and co-participation with the students! • Students are required to be regular in lectures and exercises! • It will be evaluated when the students collaborate and participate in the lectures and course exercises! • Timely arrival in lectures and exercises is mandatory!